Manuals
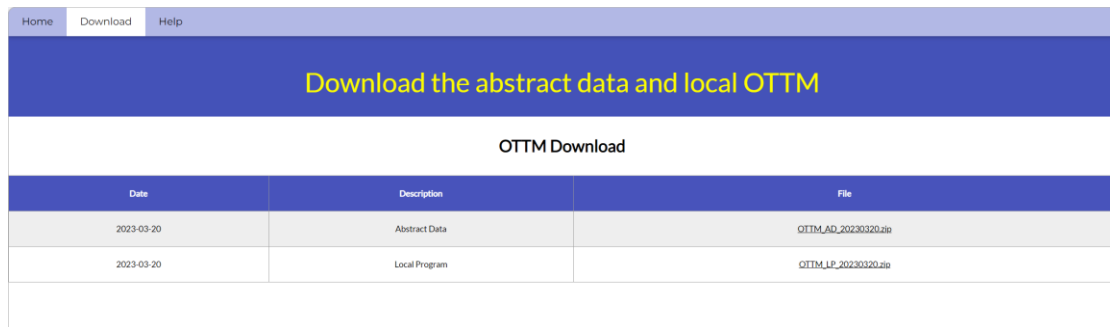
1.

Download OTTM_AD_20230320.zip , OTTM_LP_2023
0320.zip from OTTM Download page and unzip them into
the same folder

The result after decompression

2.

Open elasticsearch-8.4.3 folder then open bin folder ,
run elasticsearch.bat program(It may take a few minutes,
be patient).

名称	修改日期	类型	大小
elasticsearch	2022/10/28 13:16	文件	1 KB
elasticsearch.bat	2022/10/28 13:16	Windows 批处理...	1 KB
elasticsearch-certgen	2022/10/28 13:16	文件	1 KB
elasticsearch-certgen.bat	2022/10/28 13:16	Windows 批处理...	1 KB
elasticsearch-certutil	2022/10/28 13:16	文件	1 KB
elasticsearch-certutil.bat	2022/10/28 13:16	Windows 批处理...	1 KB
elasticsearch-cli	2022/10/28 13:16	文件	1 KB

The following screen appears to indicate that startup is complete

3.

Open Local OTTM folder, Put your own proteomics data files into this folder, formatted as txt, with the first column being the symbol name of the protein, see the readme folder in this folder for an example of the format.

名称	修改日期	类型	大小
mkl_vml_avx.1.dll	2021/9/5 2:38	应用程序扩展	16,146 KB
mkl_vml_avx2.1.dll	2021/9/5 2:38	应用程序扩展	15,185 KB
mkl_vml_avx512.1.dll	2021/9/5 2:38	应用程序扩展	14,311 KB
mkl_vml_cmpt.1.dll	2021/9/5 2:38	应用程序扩展	7,825 KB
mkl_vml_def.1.dll	2021/9/5 2:38	应用程序扩展	8,736 KB
mkl_vml_mc.1.dll	2021/9/5 2:38	应用程序扩展	15,266 KB
mkl_vml_mc2.1.dll	2021/9/5 2:38	应用程序扩展	14,990 KB
mkl_vml_mc3.1.dll	2021/9/5 2:38	应用程序扩展	15,012 KB
MSVCP140.dll	2022/11/6 17:52	应用程序扩展	577 KB
msvcp140_1.dll	2020/9/8 18:10	应用程序扩展	31 KB
msvcp140_2.dll	2020/9/8 18:10	应用程序扩展	190 KB
msvcp140_codecvt_ids.dll	2020/9/8 18:10	应用程序扩展	28 KB
omptarget.dll	2021/9/24 13:04	应用程序扩展	656 KB
omptarget.rtl.level0.dll	2021/9/24 13:04	应用程序扩展	1,426 KB
omptarget.rtl.opencl.dll	2021/9/24 13:04	应用程序扩展	1,487 KB
openssl.exe	2022/7/11 16:39	应用程序	532 KB
openssl.pdb	2022/7/11 16:39	PDB 文件	2,476 KB
Protein_Driven_Drug_Targeting.exe	2023/3/21 19:01	应用程序	11,926 KB
pyexpat.pyd	2022/11/6 17:52	Python Extensio...	185 KB
python3.dll	2022/11/6 17:52	应用程序扩展	53 KB
python310.dll	2022/11/6 17:52	应用程序扩展	4,633 KB
pythoncom310.dll	2022/11/6 17:52	应用程序扩展	526 KB
pywintypes310.dll	2022/11/6 17:52	应用程序扩展	130 KB
select.pyd	2022/11/6 17:52	Python Extensio...	18 KB
sqlite3.dll	2022/11/6 17:52	应用程序扩展	1,422 KB
sqlite3.exe	2022/9/28 8:52	应用程序	1,776 KB
tcl86t.dll	2022/11/6 17:52	应用程序扩展	1,672 KB
tclsh.exe	2022/6/1 6:38	应用程序	69 KB
tclsh86.exe	2022/6/1 6:38	应用程序	69 KB
tclsh86t.exe	2022/6/1 6:38	应用程序	69 KB
tk86t.dll	2022/11/6 17:52	应用程序扩展	1,453 KB
ucrtbase.dll	2022/11/6 17:52	应用程序扩展	993 KB
unicodedata.pyd	2022/11/6 17:52	Python Extensio...	1,084 KB
unxz.exe	2022/9/27 21:59	应用程序	20 KB
User protein list.txt	2022/10/31 17:16	文本文档	21 KB
vccorlib140.dll	2020/9/8 18:10	应用程序扩展	330 KB
vcomp140.dll	2020/9/8 18:10	应用程序扩展	181 KB
VCRUNTIME140.dll	2022/11/6 17:52	应用程序扩展	100 KB
VCRUNTIME140_1.dll	2022/11/6 17:52	应用程序扩展	44 KB
win32api.cp310-win_amd64.pyd	2022/11/6 17:52	Python Extensio...	124 KB
win32clipboard.cp310-win_amd64.pyd	2022/11/6 17:52	Python Extensio...	24 KB
win32evtlog.cp310-win_amd64.pyd	2022/11/6 17:52	Python Extensio...	71 KB
win32pdh.cp310-win_amd64.pyd	2022/11/6 17:52	Python Extensio...	31 KB
win32security.cp310-win_amd64.pyd	2022/11/6 17:52	Python Extensio...	132 KB
win32trace.cp310-win_amd64.pyd	2022/11/6 17:52	Python Extensio...	20 KB

4.

Double-click to open the exe program to run, wait for the end of the run and press any key to exit, the results are output in the output folder.

```
E:\software\OTTM\Local OTTM\Protein_Driven_Drug_Targeting.exe                    —    □    ×

Welcome to use the new tool OTTM
----------------------------------------------------------------
Please make sure to correctly fill in the configuration file
The number of proteins in the file is:  1513
The number of PPI proteins list is:  1830
The number of recommend targets is:  27
The number of recommend PPI targets is:  14
The program is finished!
----------------------------------------------------------------
Please enter any key to exit
```

5.

Open the output folder to view the results

6.

Generate folders with different names depending on the input parameter (reported number) in the config.

名称 ^	修改日期	类型	大小
📁 Hepatocellular carcinoma reported_number_0	2023/3/21 19:05	文件夹	

7.

Further results are divided into a list of proteins directly derived from user input and a list of PPI proteins obtained through protein interactions

software > OTTM > Local OTTM > output > Hepatocellular carcinoma reported_number_0 >

名称 ^	修改日期	类型	大小
📁 PPI_Target	2023/3/21 19:05	文件夹	
📁 Target	2023/3/21 19:05	文件夹	

8.

The name of each folder is the name of the recommended target, and the folder contains information about the drug corresponding to that target and the drug's hotness. The last three html files show the full target classification information and number, as well as the final recommended targets and corresponding drugs by the tool.

名称 ^	修改日期	类型	大小
ARSB	2023/3/21 19:05	文件夹	
BPI	2023/3/21 19:05	文件夹	
BRD2	2023/3/21 19:05	文件夹	
CAMP	2023/3/21 19:05	文件夹	
CRTC1	2023/3/21 19:05	文件夹	
CTSA	2023/3/21 19:05	文件夹	
CTSG	2023/3/21 19:05	文件夹	
ELANE	2023/3/21 19:05	文件夹	
FCER1G	2023/3/21 19:05	文件夹	
FPR1	2023/3/21 19:05	文件夹	
GLA	2023/3/21 19:05	文件夹	
ITGB2	2023/3/21 19:05	文件夹	
LTF	2023/3/21 19:05	文件夹	
M6PR	2023/3/21 19:05	文件夹	
MRM2	2023/3/21 19:05	文件夹	
PDCD2	2023/3/21 19:05	文件夹	
PPAT	2023/3/21 19:05	文件夹	
PRTN3	2023/3/21 19:05	文件夹	
PSEN2	2023/3/21 19:05	文件夹	
RRM1	2023/3/21 19:05	文件夹	
RXRB	2023/3/21 19:05	文件夹	
S100A12	2023/3/21 19:05	文件夹	
SLC2A4	2023/3/21 19:05	文件夹	
SMN1	2023/3/21 19:05	文件夹	
TFPI	2023/3/21 19:05	文件夹	
TK1	2023/3/21 19:05	文件夹	
TNC	2023/3/21 19:05	文件夹	
ALL_Targets.html	2023/3/21 19:15	Microsoft Edge ...	24 KB
classify_targets.html	2023/3/21 19:15	Microsoft Edge ...	3 KB
drug_suggestion.html	2023/3/21 19:16	Microsoft Edge ...	23 KB